

Amendments to the Claims

Please amend the claims as follows. Applicant presents a full set of claims showing markups of the claims with insertions and deletions indicated by underlining and strikethrough text (or double bracketing), respectively.

1.-11. (Canceled)

12. (Currently amended) A method for treating cancer, comprising administering to a subject having a cancer ~~characterized by~~ having reduced or absent LKB1 activity an effective amount of ~~a compound that increases AMP-activated protein kinase (AMPK) activity in the subject or in cells thereof~~ phenformin, wherein the reduction of LKB1 activity is due to a mutation or deletion of the LKB1 gene.

13.-21. (Canceled)

22. (Previously presented) The method of claim 12, further comprising subjecting the cancer of the subject or cells thereof to a cell death stimulus.

23.-30. (Canceled)

31. (Currently amended) A method for promoting apoptosis of cells having reduced or absent LKB1 activity, comprising contacting the cells with ~~a compound that is an activator of AMP-activated protein kinase (AMPK)~~ phenformin, wherein the reduction of LKB1 activity is due to a mutation or deletion of the LKB1 gene.

32.-70. (Canceled)

71. (Currently amended) A method of treating cancer comprising

administering to a subject having a cancer ~~characterized by~~ having reduced or absent LKB1 activity an effective amount of phenformin, wherein the reduction of LKB1 activity is due to a mutation or deletion of the LKB1 gene.

72. (Canceled)